



Inventor: Martin E. Hermann, et al  
Title: In-Line, High Energy Fiber Chirped  
Pulse Amplification System  
Appl. No. 10/608,233  
Filed: June 30, 2003  
Group Art Unit: Not yet assigned  
Sughrue Ref: A8596  
Sughrue Teleph.: 202-293-7060  
Sheet 1 of 1

FIG. 2

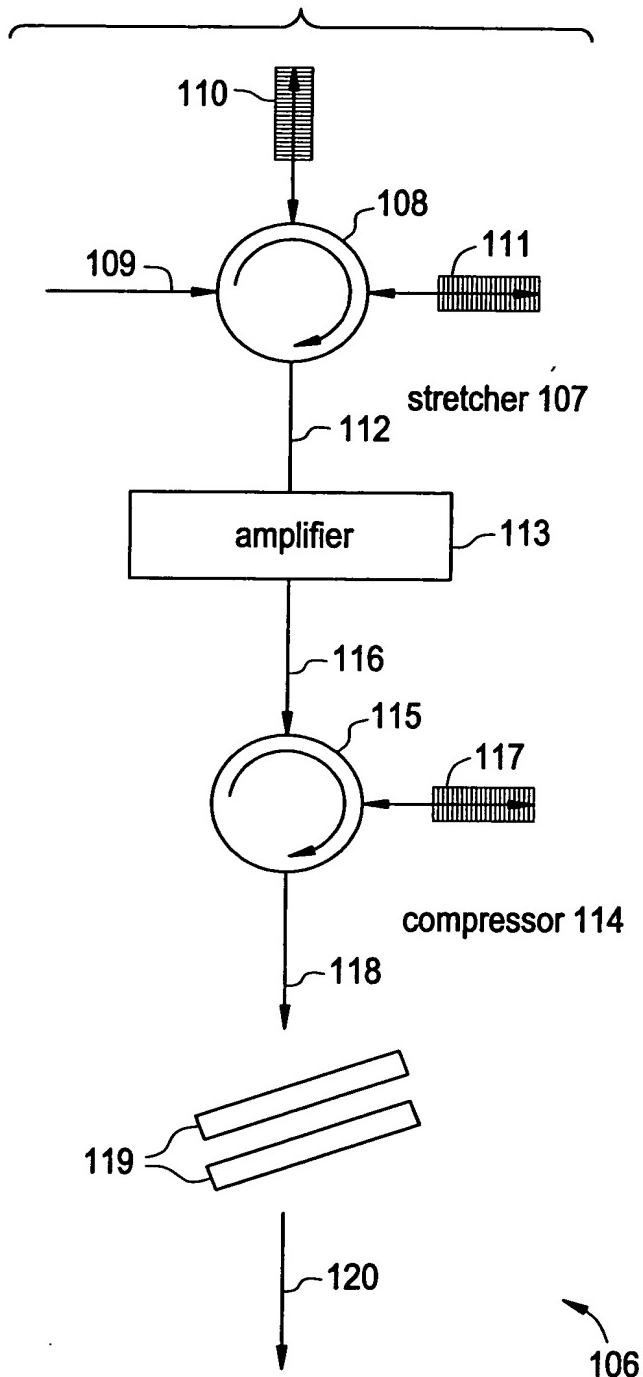
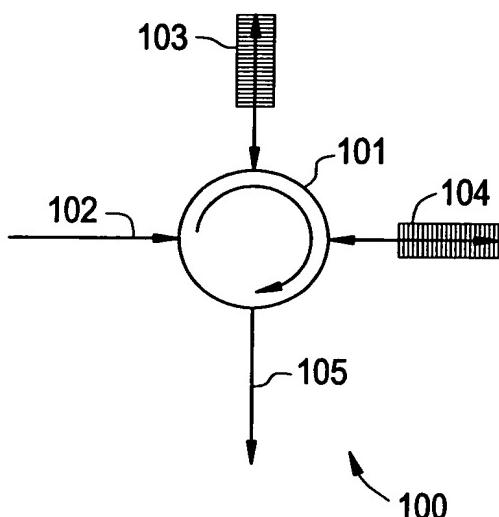
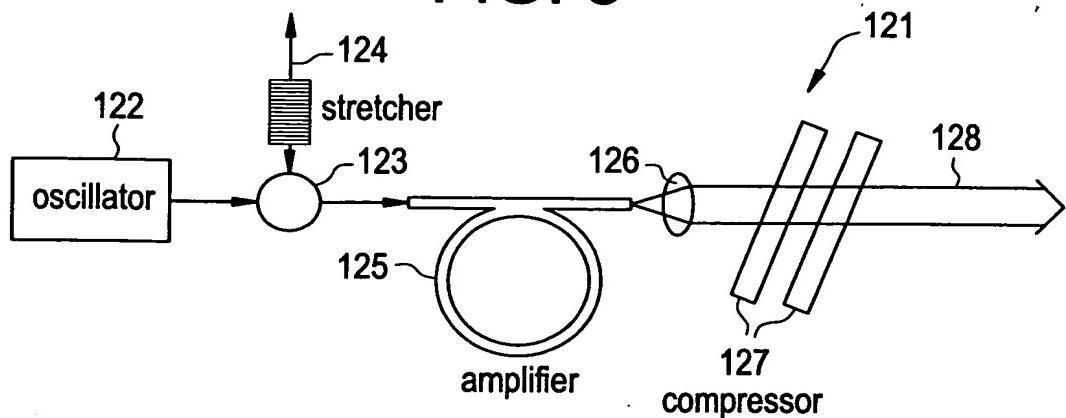


FIG. 1

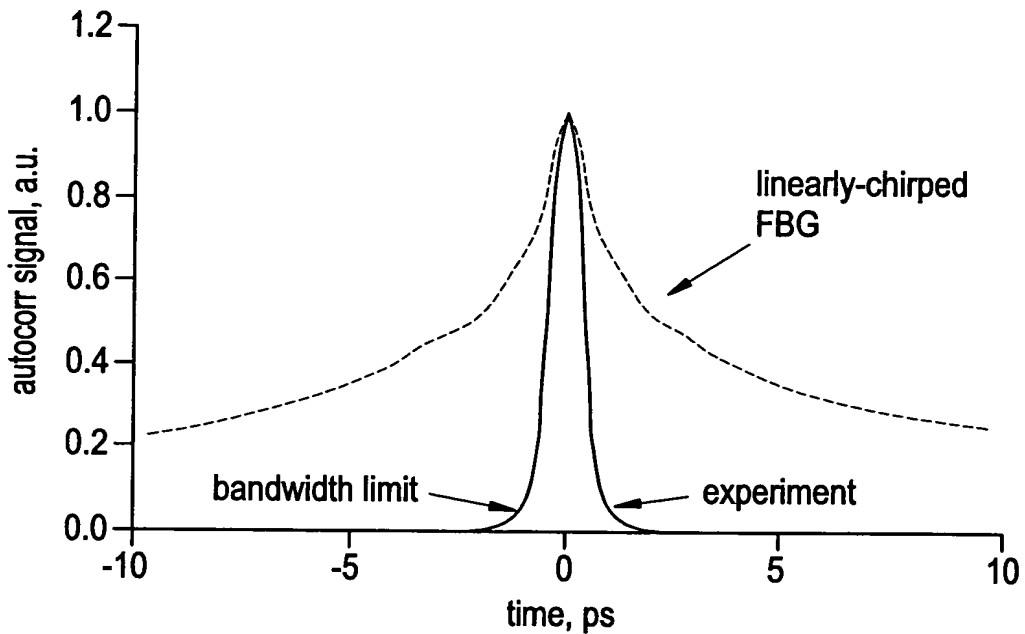


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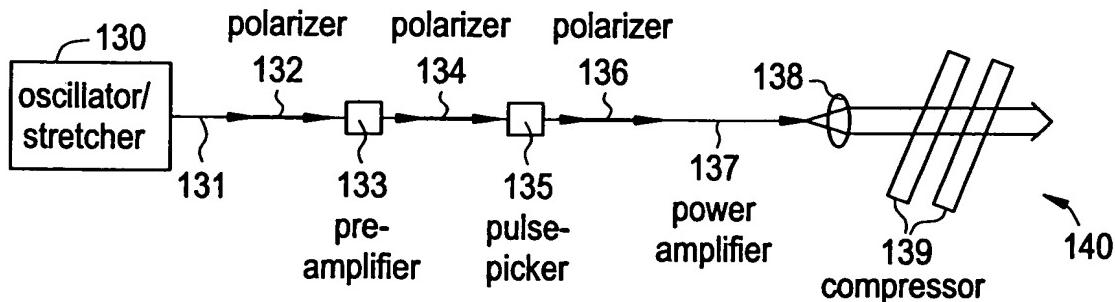
**FIG. 3**



**FIG. 4**

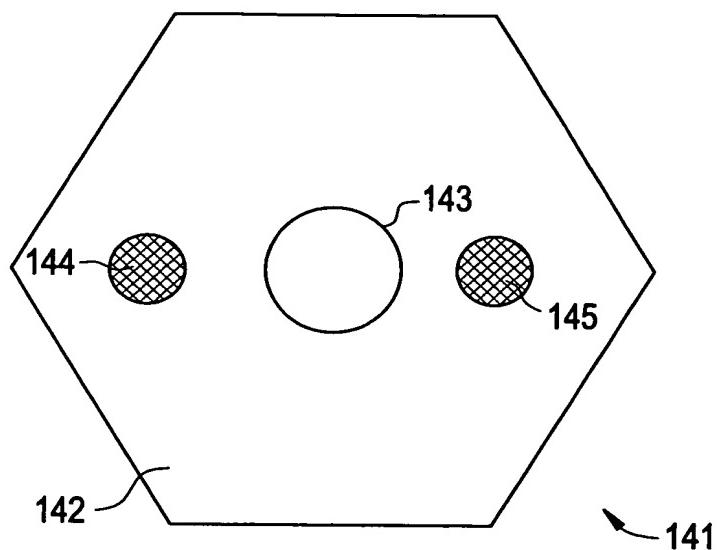


**FIG. 5**

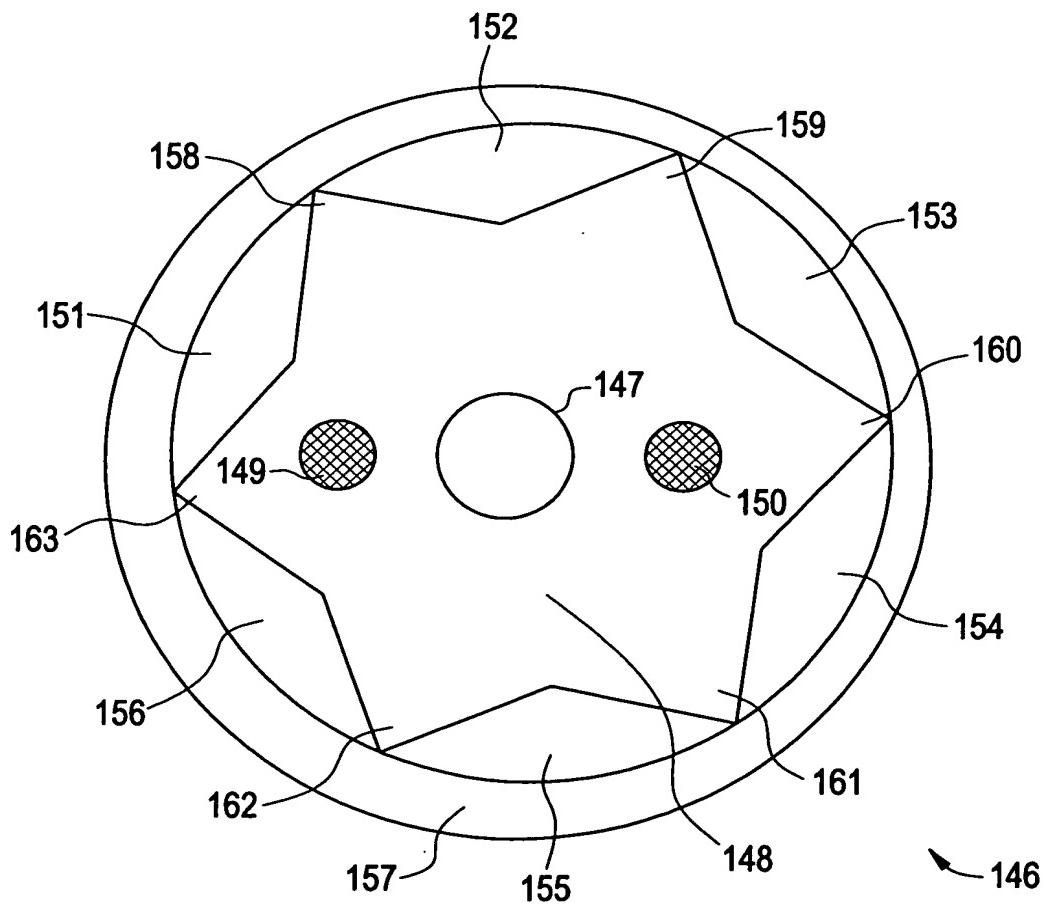


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**FIG. 6A**

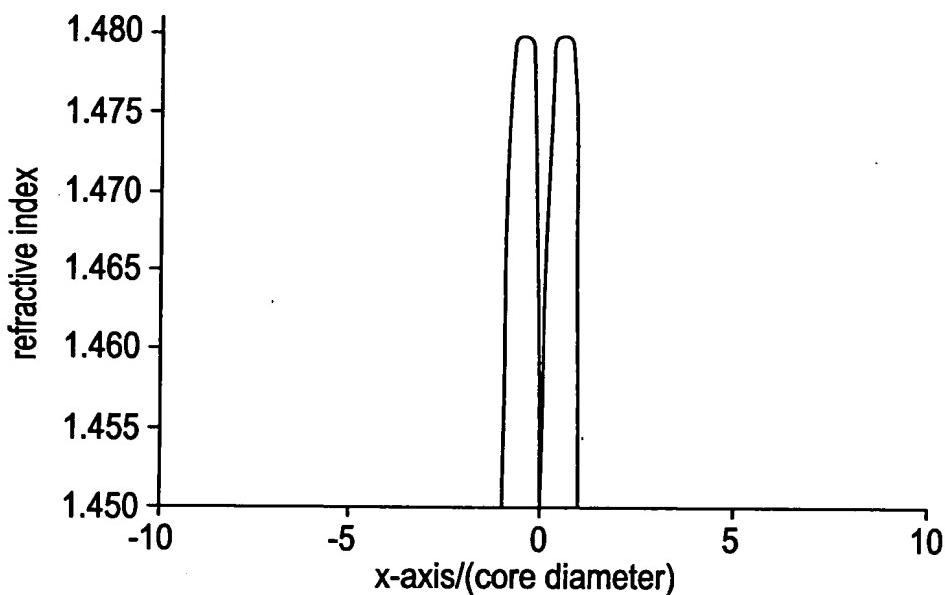


**FIG. 6B**

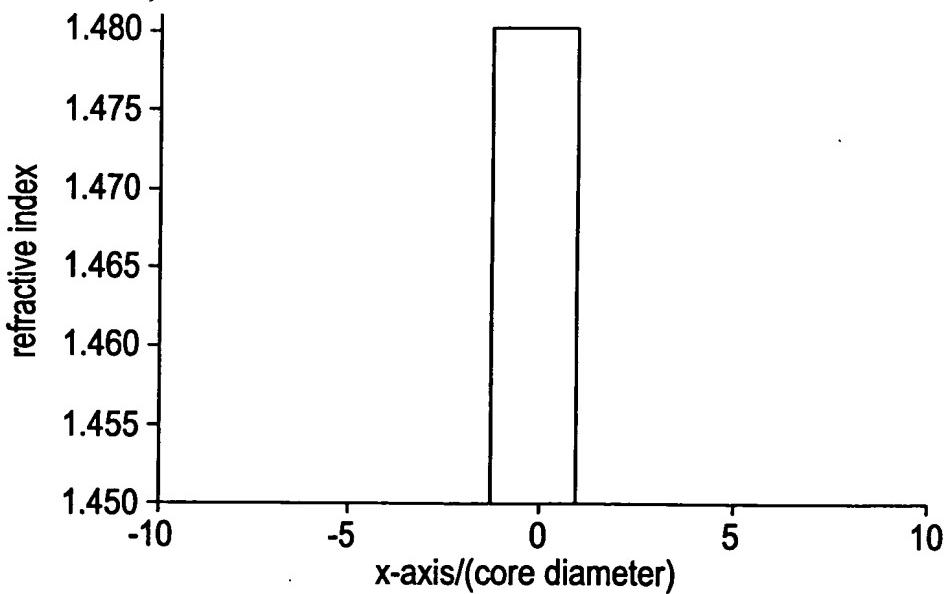


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**FIG. 7A**



**FIG. 7B**



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FIG. 9A

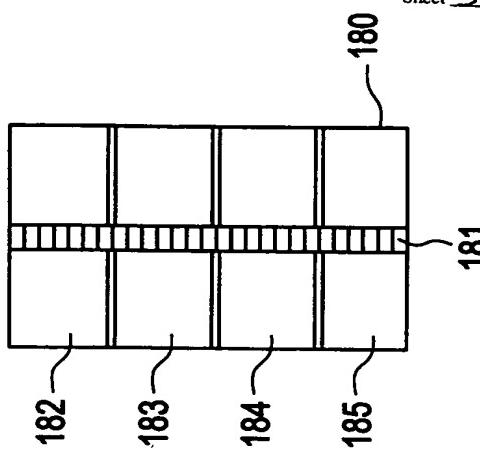


FIG. 9B

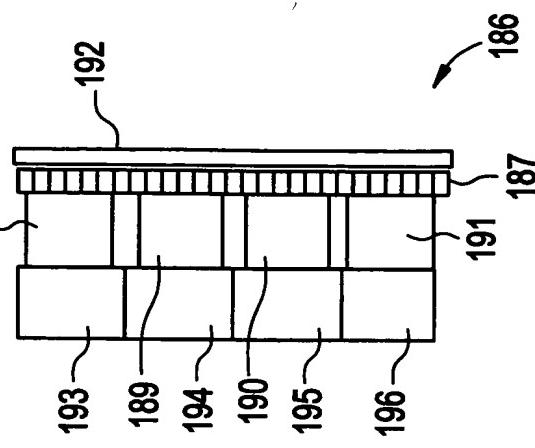
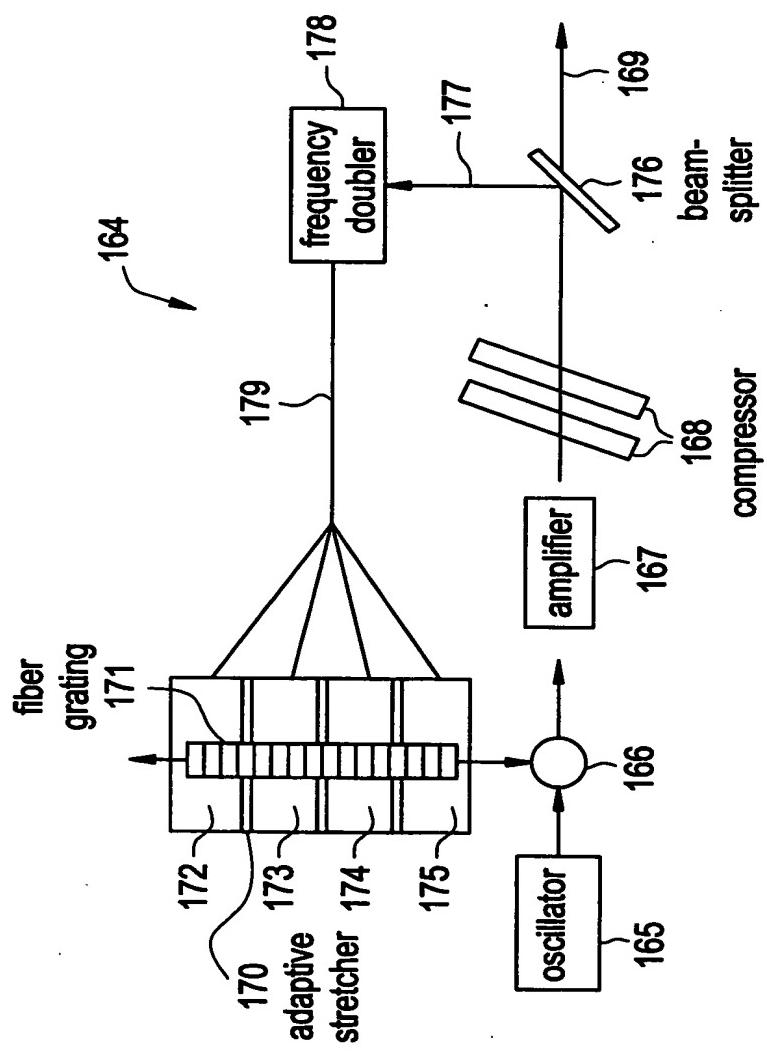
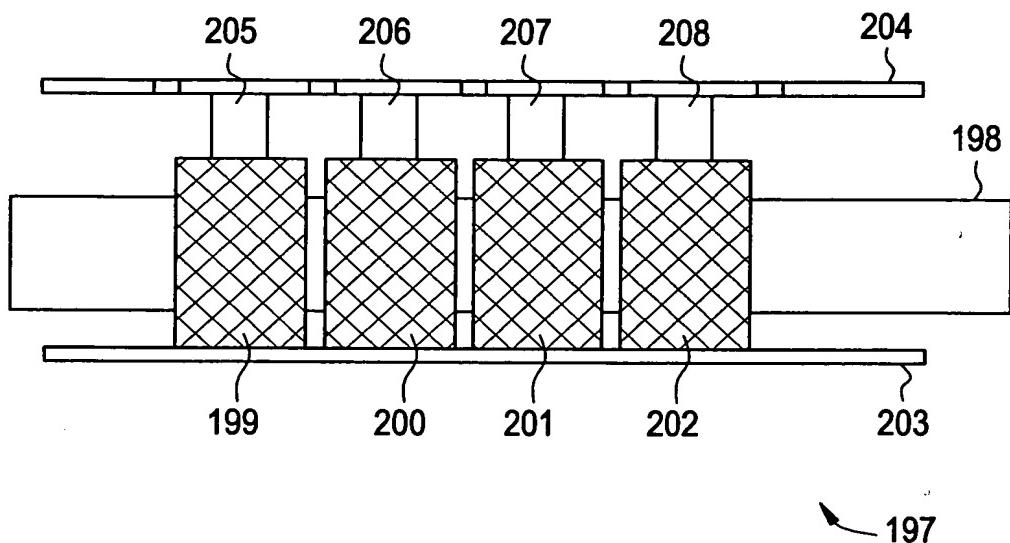


FIG. 8

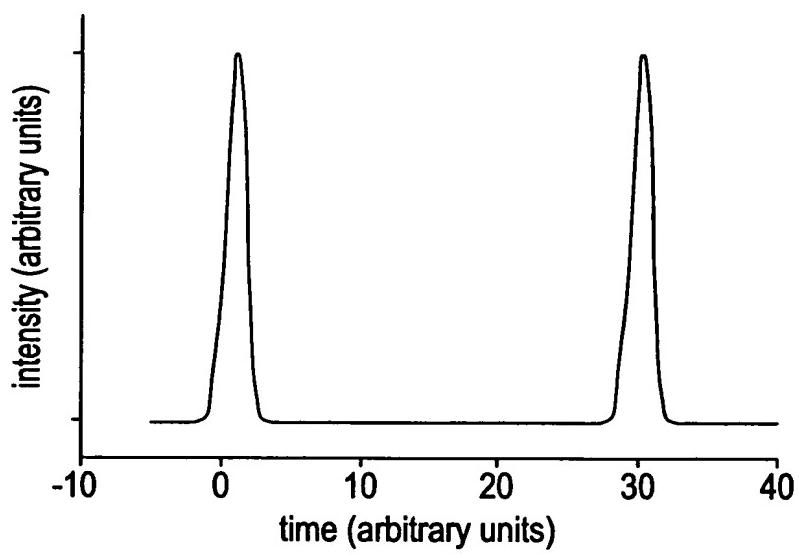


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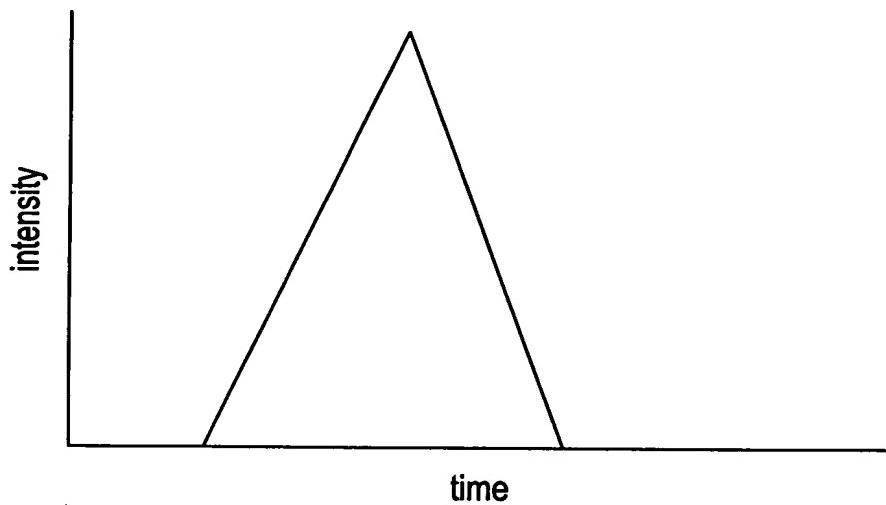
**FIG. 9C**



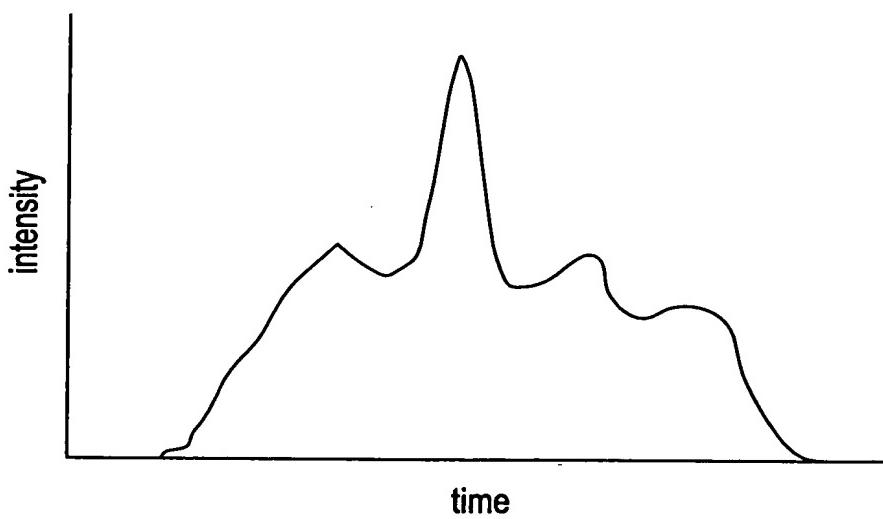
**FIG. 10A**



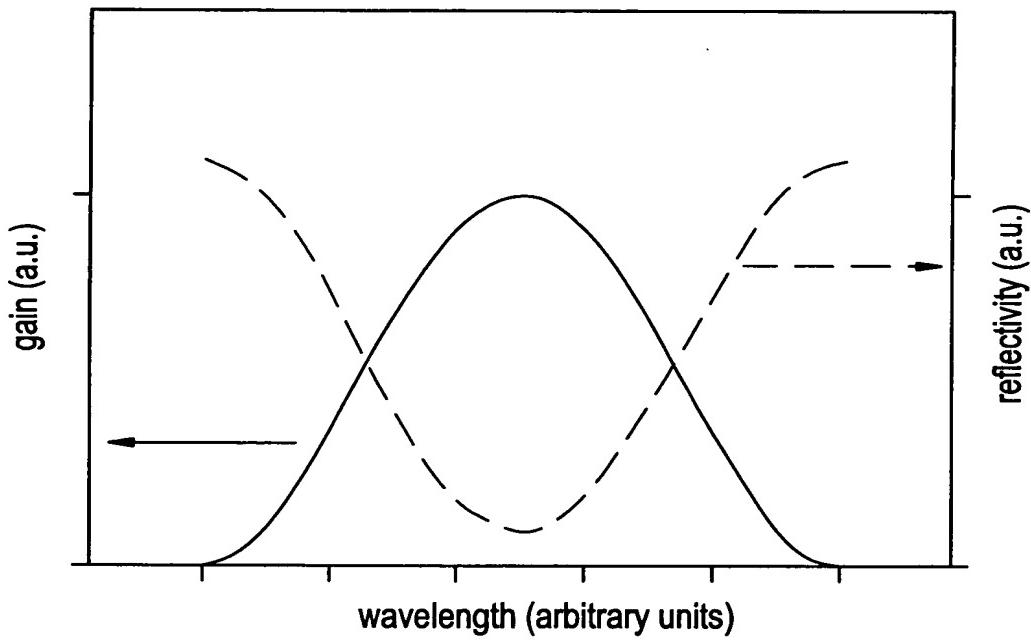
**FIG. 10B**



**FIG. 10C**



**FIG. 11**



**FIG. 12**

## Incoherent addition of femtosecond pulses

